

ANALYST:		VPDES NO	
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Parameter: Total Residual Chlorine

Method: DPD Colorimetric

04-01

METHOD OF ANALYSIS:

	18th EDITION OF STANDARD METHODS-4500-CL G
	EPA METHODS FOR CHEMICAL ANALYSIS-330.5

	Y	N
1) Is KI solution free of contamination or growths? [Permit]		
2) Is KI solution discarded when it turns yellow? [SM CI F.2.e; Permit]		
3) Is the DPD reagent free of contamination or growths? [Permit]		
4) Is the DPD reagent discarded when absorbance at 515 nm is > 0.002/cm? [SM CI F.2.b]		
5) Is the buffer solution free of contamination or growths? [SM CI F.2.a; 330.5-5.1]		
6) If a spectrophotometer is used, is it set up for use at 515 nm and provide a light path of 1 cm or longer? [SM-2.a.1; 330.5-4.1]		
7) If a filter photometer is used, is it equipped with a filter having maximum transmission in the range of 490 to 530 nm and provide a light path of 1 cm or longer? [SM-2.a.2]		
8) Is calibration curve developed, read, and checked correctly? [SM-4; 330.5-6.1]		
9) Is a new calibration curve developed when new reagents are prepared? [Permit]		
10) Is 0.5 mL of buffer solution and 0.5 mL of DPD reagent used per 10 mL of sample? [SM-4.a.1; 330.5-6.2]		
11) Is sample added after buffer solution? [SM-4.a.1; 330.5-6.2]		
12) Is KI added? [SM-4.a.1; 330.5-6.2.3]		
13) Is the prepared sample allowed to stand for 2 minutes and analyzed, if not otherwise specified by the manufacturer? [SM-4; 330.5-6.2.5]		
14) Are cells clean and in good condition? [Permit]		

PROBLEMS: